

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. **(Currently Amended)** A conductor for liquid-cooled windings comprising an insulating sheathing which has at least two layers and surrounds the conductor as a whole, wherein an inner layer of said at least two layers surrounds the conductor so as to cover it completely, and wherein an outer layer of said at least two layers has ~~openings, meshes or~~ frayed sections.

2. (Previously Presented) A conductor according to claim 1, wherein at least one of the layers of the sheathing is formed by being wound around the conductor.

3. **(Currently Amended)** A conductor according to claim 1, wherein at least one of the layers **[[layer]]** of the sheathing is made from paper.

4. (Previously Presented) A conductor according to claim 1, wherein the outer layer is made from perforated paper.

5. (Previously Presented) A conductor according to claim 1, wherein the outer layer is formed by a tape which is slit at regular intervals at one edge so as to form lugs protruding at the edge, said tape being made from paper.

6. **Cancelled.**

7. **Cancelled.**

8. **Cancelled.**

9. **Cancelled.**

10. (Previously Presented) A conductor according to claim 1, wherein, the inner layer has a thickness of between 0.1 mm and 2 mm, or between 0.2 mm and 1 mm.

11. (Previously Cancelled)

12. (Previously Presented) A conductor according to claim 1, wherein the conductor has a rectangular cross section of between 0.2 cm<sup>2</sup> and 40 cm<sup>2</sup>.

13. (Previously Presented) A liquid-cooled transformer or liquid-cooled inductor coil containing at least one winding comprising a conductor according to Claim 1.

14. **Cancelled.**

15. (Previously Presented) A conductor according to claim 1, wherein each layer of the sheathing is formed by being wound around the conductor.

16. **(Currently Amended)** A conductor for liquid-cooled transformer windings comprising an insulating sheathing which has at least two layers and surround the conductor, wherein at least an inner layer of said at least two layers of the sheathing completely surround the conductor, and an outer layer of said at least two layers of the sheathing **is formed by a tape which is slit at regular intervals at one edge so as to form lugs protruding at the edge, said tape being made from paper** ~~has openings, meshes or frayed sections.~~

17. (Previously Presented) A conductor according to claim 16, wherein at least one of said two layers is formed by being wound around the conductor.

18. (Previously Presented) A conductor according to claim 16, wherein at least one of said two layers is made from paper.

19. **Cancelled.**

20. **Cancelled.**

21. **(New)** A conductor for liquid-cooled windings comprising an insulating sheathing which has at least two layers and surrounds the conductor as a whole, wherein an inner layer of said at least two layers surrounds the conductor so as to cover it completely, and wherein an outer layer of said at least two layers has is formed by a strip wrapped around the conductor, the strip including slits that form lugs protruding from an edge of the strip.

22. **(New)** A conductor according to claim 21, wherein the strip is formed from paper.

23. **(New)** A conductor according to claim 21, wherein the slits are formed at regular intervals along the edge of the strip.

24. **(New)** A conductor according to claim 21, wherein the conductor has a rectangular cross section